

DERWENT-ACC-NO: 1995-136461  
DERWENT-WEEK: 199518  
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TITLE: Biaxially oriented film useful for magnetic recording media - contains  
aggregated alpha-alumina particles and opt. mono-dispersed particles etc

PATENT-ASSIGNEE: TORAY IND INC[TORA]

PRIORITY-DATA: 1993JP-0213952 (August 30, 1993)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 07060832 A	March 7, 1995	N/A	008	B29C 055/12

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP07060832A	N/A	1993JP-0213952	August 30, 1993

INT-CL\_(IPC): B29C055/12; B29K067:00 ; B32B027/20 ; C08J005/18 ;  
C08K003/22 ; C08K003/36 ; C08L101/00

ABSTRACTED-PUB-NO: JP07060832A

BASIC-ABSTRACT: Film contains aggregated alpha-alumina particles having a prim. particle size of 10-200 nm., an average particle size of 50-600 nm., and a particle density of 3.4-4.0 g/cm<sup>3</sup>.

The film opt. further contains aggregated particles (A) of gamma-alumina, delta-alumina, theta-alumina, zirconia, silica and/or titanium. It may have a two or more layer structure, in which the aggregated alpha-alumina particles are contained in the outermost layer and may contain mono-dispersed particles (B).

The mono-dispersed particles are pref. calcium carbonate, colloidal silica, titanium oxide and/or organic particles.

USE/ADVANTAGE - Used for magnetic recording media. The film is prevented from being damaged and has high image properties and drop-out properties. The polymer for the film is polyethylene terephthalate.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

BIAXIAL ORIENT FILM USEFUL MAGNETIC RECORD MEDIUM CONTAIN  
AGGREGATE ALPHA  
ALUMINA PARTICLE OPTION MONO DISPERSE PARTICLE

DERWENT-CLASS: A85 L03 P73 T03

CPI-CODES: A05-E04E; A08-M07; A12-E08A; A12-S06; L03-B05D; L03-B05D3;

EPI-CODES: T03-A01B1;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1278U; 1521U ; 1544U ; 1694U ;  
1966U

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

017 ; P0884 P0839 H0293 F41 D01 D11 D10 D19 D18 D31 D50 D63 D90  
E21 E00 ; S9999 S1285\*R

Polymer Index [1.2]

017 ; ND01 ; Q9999 Q8877\*R Q8855 ; K9449 ; B9999 B5163 B5152 B4740

Polymer Index [1.3]

017 ; D00 D09 Ti 4B Tr ; R01544 D00 F20 Al 3A O\* 6A ; R01521 D00  
F20 Zr 4B Tr O\* 6A ; R01694 D00 F20 O\* 6A Si 4A ; A999 A237 ; S9999  
S1456\*R ; B9999 B5209 B5185 B4740 ; B9999 B4842 B4831 B4740 ; A999  
A771

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1995-062734

Non-CPI Secondary Accession Numbers: N1995-107511